

# IMAX Private Theatre Platinum™

IMAX Private Theatre Platinum™ draws on IMAX's legacy of excellence and groundbreaking technologies in delivering the highest audio and visual standards to create the ultimate immersive entertainment solution for private spaces. It brings the same philosophy used in the world's leading IMAX® movie theatres to your home, for the optimum delivery of the best entertainment experiences across the media spectrum.

- Dual 4K 2D/3D laser projectors
- Advanced image super enhancer
- Immersive IMAX® curved screen and movable frame
- Proprietary IMAX® sound system
- Quality equalizer and power amplifier
- HD multi-media content server and player (supporting HD television, Blu-ray™, DVD, CD, gaming and karaoke)
- Touch-screen control pad with dedicated control system
- x3 pairs of professional 3D glasses



\* Space Requirement: ~860~1938 sq.ft

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## IMAX Private Theatre Platinum™ System Specification

|              |   |  |
|--------------|---|--|
| Video System | Projection system                       | Dual projectors  |
|              | Projector alignment                     | Automatic calibration                                  |
|              | Display resolution                      | 4096 x 2160 (Native 4K)                                |
|              | End to End 4K support                   | Yes  |
|              | 2D brightness <sup>1</sup>              | 30fl-L   |
|              | 3D brightness <sup>1</sup>              | 10fl-L per eye   |
|              | 3D mode                                 | Passive  |
|              | 3D format                               | L/R separation, Frame packing, SBS, Top and Bottom     |
|              | 3D/2D switch                            | Automatic 2D / 3D input detection and 3D filter on/off |
|              | Native contrast (ON/OFF)                | ≥4000:1  |
|              | Throw ratio                             | 1.35 - 2.30  |
|              | Lamp life <sup>2</sup>                  | 1500hrs - 3000hrs                                      |
|              | Pixel depth                             | 12bit  |
|              | Constant brightness                     | Yes  |
|              | Playback (JPEG2000)                     | 4K 2D:24P<br>2K 2D: 24/30/48/60P<br>2K 3D:24/30/48/60P |
|              | Color gamut                             | DCI P3, Rec.709  |
|              | 4K scaler                               | Yes  |
|              | I/P (Interlaced/Progressive) conversion | Yes  |
|              | Physical Blu-ray™ disc support          | Yes  |
|              | Streaming video support                 | Yes  |
| DCI support  | Yes                                     |  |

Note: 1. Brightness levels for individual products are determined by reference to the IMAX Private Theatre™ design guidelines.

2. Lamp Life is determined by screen size.

|   |  |  |
|---|--|--|
| Screen                                    | Screen aspect ratio  | 1.896:1  |
|   | Screen material  | Silver, Micro-perforated screen  |
|   | Maximum screen size  | 430 inches diagonal (9.5m x 5m)  |
| Audio System                              | HDMI input   | 8 ways   |
|   | Dolby Digital Plus / Dolby TrueHD / Dolby Surround / Dolby Atmos | Supported  |
|   | DTS ES / DTS 96 / 24 / DTS-HD Master / DTS X                     | Supported (only Blu-ray)   |
|   | PCM multi-channel  | Supported  |
|   | HDCP2.2 compatibilities  | Yes  |
|   | Preamplifier analog output type                                  | XLR (Balance)  |
|   | Power amplifier output (front channel / per channel)             | 700W*3+300W  |
|   | Power amplifier output (surround channel / per channel)          | 350W   |
|   | Front channel loudspeaker response                               | 40Hz – 20kHz (-3dB)  |
|   | Front channel loudspeaker sensitivity                            | 95dB (1m/1W)   |
|   | Front channel loudspeaker dispersion pattern                     | 80°Horizontal, 35°Vertical (1.5kHz/-6dB)   |
|   | Front channel loudspeaker MAX SPL (1m)                           | 128dB continuous, 132dB peak   |
|   | Surround channel loudspeaker response                            | 80Hz – 20kHz (-3dB)  |
|   | Surround channel loudspeaker sensitivity                         | 92dB (1m/1W)   |
|   | Surround channel loudspeaker dispersion pattern                  | 80°Horizontal, 50°Vertical (1.5kHz/-6dB)   |
| Surround channel loudspeaker MAX SPL (1m) | 116dB continuous, 122dB peak                                     |  |
| Subwoofer response                        | 18Hz (-3dB)  |  |
| Subwoofer sensitivity                     | 102dB (1m/1W)  |  |
| Subwoofer MAX SPL (1m 50Hz)               | 133dB continuous, 139dB peak                                     |  |
| Control System                            | Control PC   | Industrial grade central control computer  |
|   | Control system   | IMAX Private Theatre proprietary control system  |
|   | Controller   | Android Tablet   |
|   | UI language  | English  |
| Remote Monitoring and Support             | System status remote monitoring (24H/7D)                         | Yes, working status monitoring of all the key equipment, including projector, speakers, central control server, etc. |
|   | Auto failure report  | Yes  |
|   | Remote diagnosis   | Yes  |
|   | SADA (speaker work status auto detect)                           | Yes  |
| Temperature & humidity monitoring         | Yes  |  |
| Power System                              | PDU  | Included   |
|   | UPS  | Included   |
|   | Power of the full system   | 12000VA  |
| Equipment Size                            | Projectors (WxHxD)   | 21.5 inches * 24.9 inches * 44 inches each   |
|   | L/R/Cspeakers  | 38.6 inches * 18.9 inches * 11.0 inches each   |
|   | Surround speakers  | 16.1 inches * 18.5 inches * 7.9 inches each  |
|   | Subwoofers   | 26.4 inches * 41.3 inches * 11.8 inches each   |

### Recommended Room Size:

|                               |   |
|-------------------------------|---|
| Room Size Range (Outer Shell) | 860 – 1938 sq. ft                           |
| Room Ceiling Height           | 4 – 6 meters                                |
| Screen Size                   | 260 – 480 inches                            |
| Seating Capacity              | 20 – 60 standard IMAX Private Theatre seats |

